

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 7:42 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 861 Const Calendar Day: 386 Date: 25-Jun-2013 Tuesday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 03:30 pm Break: 00:30 Over Time:

Federal ID:

Location:

Reviewer: Wilcox, Jason

Approved Date:

Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather****Temperature** 7 AM 50 - 60 12 PM 60 - 70 4PM 60 - 70**Precipitation** 0.00"**Condition** Partly cloudyWorking Day ☐ If no, explain:**Diary:**

Dispute

Work description.

- Observed the concrete placing operations done by ABF and Conco of the E2 Shear Key retrofit mock-up at the ABF Pier 7 office and yard. The following comments pertain to the sequence of events and pertinent information:

1.) Concrete trucks arrived approximately around 9:00am with the first truck (#215) beginning to discharge SCC concrete around 9:15am. At this time there was overcast skies with an ambient temperature of 64F and a measured concrete temperature of 75F. Smith Emery technicians verbally informed me that they were going to make 21 cylinders testing for the compressive strength of the SCC. I inquired about the number of cylinders to be tested at certain days, the technicians couldn't provide that information. Slump flow of the SCC was measured at 700mm and 770mm with an average of 735mm. Visual observation of the SCC slump flow was acceptable with coarse aggregate evenly distributed on the glass surface and no appreciable halo(s). The tolerance for this mix design is 700mm +/- 50mm.

2.) Placement of the SCC began approximately at 9:30am, there were minor issues with the slick line and a build up of coarse aggregate in the hose and inlet valve. Concrete placement of the bottom slab portion mock-up was completed at 10:40am. See photos below for more additional details and comments.

- Continued to review project control for the entire SFOBB laser scan. Continued to draft a schedule and plan details of the surveys, personnel, and equipment necessary to complete this task.

- See Pamela Gagnier's diary for the S1/S2 Shear Key retrofit modification work today as she is tracking the labor, equipment, and work progress of Conco, IPMC, and ABFJV.

Attachment

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 861

Date: 25-Jun-2013

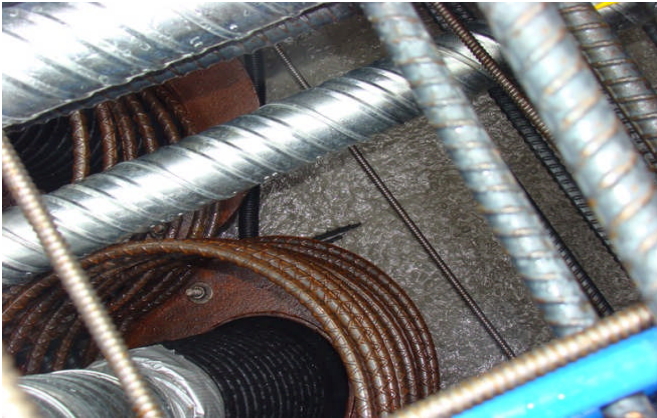
Tuesday



ABF crews preparing to install falsework for the S1 Shear Key bottom slab section.



Slump flow of the SCC used for the mockup today with a average diameter of 28.9" and consistent coarse aggregate distribution over the spread.



The SCC flowing around PT bearing plates, ducts, rebar, etc which appeared to distribute coarse aggregate (no settling observed) in the mix.



Shear Key modification bottom section mockup in the ABF Burma Road office parking lot and storage yard.



IPMC technicians seen monitoring the milling operation of the S2 Shear Key on the east side of the lower stub section.



SCC contacting the plexi-glass (bottom of cap beam) while pumping from a side inlet proving the mix can flow well.

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 861

Date: 25-Jun-2013

Tuesday



As the SCC got closer to the plexi glass a vibrator was used to "sting" the concrete to stimulate flow and consolidation.



SCC seen flowing in the bottom section (concrete under the cap) to test the flow to ensure that the concrete is fully consolidated.